

## **ABSTRACT OF THE DISCLOSURE**

There is disclosed a linearization training sequence that is transmitted by means of a radio frequency transmitter which is comprised in a mobile terminal or a base station of a radiocommunication system and transmits bursts according to a given frame structure. The sequence comprises a given number  $N$  of symbols which are part of an alphabet of symbols,  $N$  being an integer. At least one given number  $N1$  of symbols of the sequence that is transmitted first is part of a sub-alphabet of symbols, which is contained in the alphabet of symbols,  $N1$  being an integer that is smaller than or equal to  $N$ . The sub-alphabet of symbols consists of individual or a combination of symbols that provide the burst within which the sequence is transmitted with a narrower spectrum than the alphabet of symbols as a whole.